

20 7 40 X 20 X	Routing in a Wireless Network and Routing in a Wireless Network and Inventor: Holur, et al.  Attorney's Docket: 062891.0511 Sheet: 2 of 9 Filed: January 26, 2001	KEADER KOUTER SOCIEITATION VENDOR-SPECIFIC EXTENTION FIGURESA	ROUTER ADVERTISEMENT   MOBILE ADVERTISEMENT   PREFIX EXTELUTION   UENDOK-5	128 134 F160RE 28	1706 LEWGTH DATA 140 TYPE LEWGTH DATA - 140	1206 (CED6714 OMTA JEN40	
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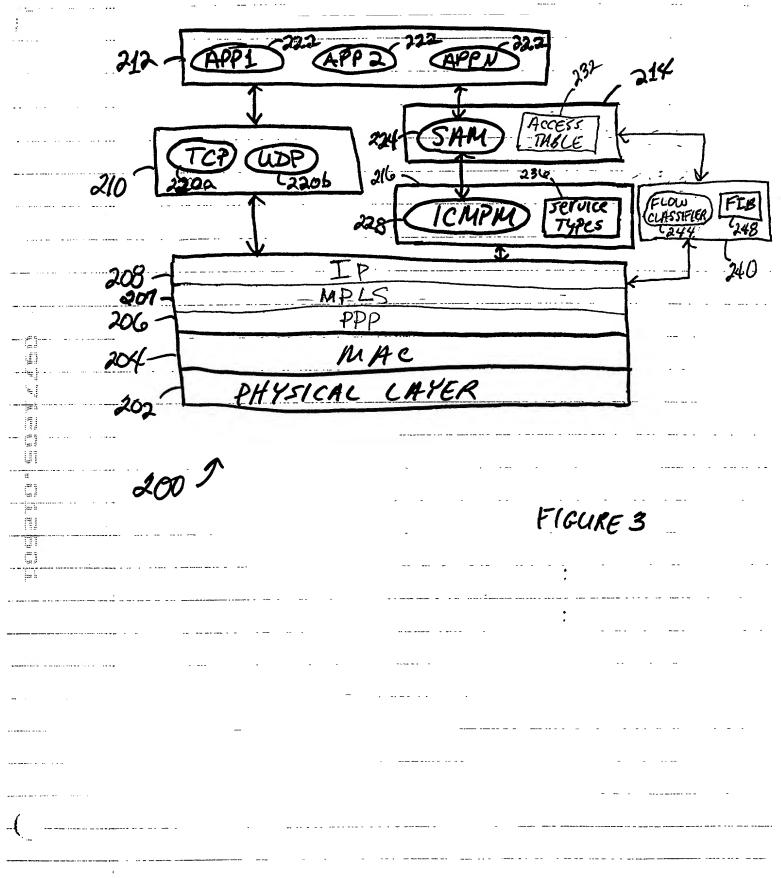
Method and System for Label Edge

Routing in a Wireless Network

Inventor: Holur, et al.

Attorney's Docket: 062891.0511

Sheet: 3 of 9 Filed: January 26, 2001



Inventor: Holur, et al. Attorney's Docket: 062891.0511 STARI Sheet: 4 of 9 Filed: January 26, 2001 KECEIVES NOTICE OF ACTIVE SESSION hobile unit S SUPPORTS LABEL SUITCHING YES SERUING NODE SULLOKTS LASEL SWITCHING yes 'n AM PROVIDES LABEL REQUEST 1CMPM ICMPM GENERATES AN ASM JITH LABEL REQUEST IN USE AGENT RECEIVES ASM AND RACTS DATA FROM VSE AGENT UPDATES BINDING TABLE AND SENDS LABEL REQUEST TO LABEL SERVER FIGURE 4A

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Sheet: 5 of 9 Filed: January 26, 2001

FKOM 312

ABEL SERVER ALLOCATES LABELS AND SENOS CABEL RESPONSE AGENT ASSOCIATES CABEC KNATION IN BUNCHE AGENT GENERATES AN AAM LABEL RESPONSE IN VSE 318 MOBILE UNIT RECEIVES AAM AND EXTRACTS DATA FROM USE 1 CM PM No DISCIARDS DATA , yes CMAN YROUDES CABEL RESPONSE TO SAM SAM EXTRACTS CABEZS AND STORES W FORWARDING WFORMATION BASE SAM SENOS "READY" MESSAGE APPLICATION

TO 332

Floure 4B

Inventor: Holur, et al. FROM 330 Attorney's Docket: 062891.0511 Sheet: 6 of 9 Filed: January 26, 2001 APPLICATION REQUESTS SAM ASSIGN LABEL SAM DETERMINES FLOW CHARACTERISTICS AND SECECIS FLOW LABEL SAM PROVIDES LABEL ASSIGNMENT TO ICMPM LCMPM GENERATES AN ASM LABEL ASSIGNMENT IN VSE AGENT RECEIVES ASM AND EXTRACTS DATA FROM VSE PATH TO Nο BE ESTABLISHED 1,45 TRIGGERS ESTABLISHMENT AGENT OF LABEL - SWITCHED PATH AGENT UPDATES BUDING RECORD AND GENERATES AN AAM WITH SELECTED (ABEL IN VSE FLGURF 4C

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Sheet: 7 of 9 Filed: January 26, 2001

FROM 346

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11,

348 AND EXTRACTS DATA FROM VSE

SAM UPDATES FIB, INFORMS FLOW CLASSIFIER AND SENDS SELECTED LABEL TO APPLICATION

FLOURE 4D

APPLICATION GENERATES PACKET FLOW CLASSIFIER LOOKS UP FLOW FOR THE APPLICATION FORWARDING INFORMATION BASE CLASSIFIER ADDS THE PACKET PLOW CLASSIFIER SENDS ABELED PACKET TO SERULUG NOD ħ. SERUIUG NODE PERFORMS LABEL SWAP L. ħ. g1 SERVING NODE POKWARDS 410 NETWORK LABEL STACK NETWORK POPS NETWORK FORWARDS PACKET

DESTINATION

START

FIGURES

Method and System for Label Edge

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Sheet: 8 of 9

Method and System for Label Edge Routing in a Wireless Network Inventor: Holur, et al. Attorney's Docket: 062891.0511 Sheet: 9 of 9 Filed: January 26, 2001 PACKET

STARI NETWORK RECEIVES PACKET NETWORK ADDS CABEL THE NETWORK FORWARDS PACKET TO SERVING NODE SERVING NODE PERFORMS LABEL SWAP SERULUG NODE FORWARDS TO MOBILE UNIT FLOW CLASSIFIER LOOKS UP IN FORWARDING NFORMATION BASE FLOW CLASSIFIER POPS LABEL STACK FLOW CLASSIFIER FORWARDS APPLICATION

FIGURES